

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
**(Not for submission under 37 CFR 1.99)**

Page 1 of 6

Application Number	10/583,812
Filing Date	June 22, 2006
First Named Inventor	Richard K. COOPER
Art Unit	1633
Examiner Name	Sumesh KAUSHAL
Attorney Docket Number	51687-331126

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	6939959		Sep. 6, 2005	Hu	
	2	7294507		Nov. 13, 2007	Harvey et al.	
	3	7335761		Feb. 26, 2008	Harvey et al.	
	4	7375258		May 20, 2008	Harvey et al.	
	5	7381712		June 3, 2008	Christmann et al.	
	6	6635740		Oct. 21, 2003	Enright et al.	
	7	6680058		Jan. 20, 2004	Enright et al.	
	8	7527966		May 5, 2009	Cooper et al.	
	9	7566777		Jul. 28, 2009	Enright et al.	
	10	7608451		Oct. 27, 2009	Cooper et al.	

**U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	11	20010044937		Nov. 22, 2001	Schatten et al.	
	12	20020016975		Feb. 7, 2002	Hackett et al.	
	13	20020079797		June 20, 2002	Lin	
	14	20030143740		July 31, 2003	Wooddell et al.	
	15	20040110143		June 10, 2004	Bennett et al.	
	16	20040142475		July 22, 2004	Barman et al.	
	17	20040172667		Sep. 2, 2004	Cooper et al.	
	18	20040197910		Oct. 7, 2004	Cooper et al.	
	19	20040203158		Oct. 14, 2004	Hackett et al.	
	20	20040210954		Oct. 21, 2004	Harvey et al.	
	21	20040226057		Nov. 11, 2004	Christmann et al.	
	22	20040235011		Nov. 25, 2004	Cooper et al.	
	23	20040255345		Dec. 16, 2004	Rapp et al.	
	24	20050003414		Jan. 6, 2005	Harvey et al.	
	25	20050034186		Feb. 10, 2005	Harvey et al.	
	26	20050050581		Mar 3, 2005	Harvey et al.	

/Sumesh Kaushal/ (09/22/2011)

US2000 12212819.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Not for submission under 37 CFR 1.99)

Page 2 of 6

Application Number	10/583,812
Filing Date	June 22, 2006
First Named Inventor	Richard K. COOPER
Art Unit	1633
Examiner Name	Sumesh KAUSHAL
Attorney Docket Number	51687-331126

	27	20050066383		March 24, 2005	Harvey	
	28	20050176047		Aug. 11, 2005	Harvey et al.	
	29	20080235813		Sep. 25, 2008	Cooper et al.	
	30	20080235815		Sep. 25, 2008	Cooper et al.	
	31	20100081789		April 1, 2010	Cooper et al.	
	32	20100099148		April 22, 2010	Cooper et al.	
	33	20100261227		Oct. 14, 2010	Cooper, R. K.	
	34	20110162096		June 30, 2011	Cooper et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines of Relevant Passages or Figures	T <sup>5</sup>
	35	1989000199	WO		Jan. 12, 1989	Louisiana State University Agricultural and Mechanical College		
	36	1990012866	WO		Nov. 1, 1990	Louisiana State University Agricultural and Mechanical College		
	37	1995001095	WO		Jan. 12, 1995	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College		
	38	1995001424	WO		Jan. 12, 1995	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College		
	39	2000512149	JP		Sep. 19, 2000	Board of Trustees Operating, Michigan State University		
	40	2001513336	JP		Sep. 4, 2001	Biotechnology and Biological, Sciences Research Counsel		
	41	2001083786	WO		Nov. 8, 2001	Midwest Research Institute		
	42	2002002738	WO		Jan. 10, 2002	Gala Design, Inc.		
	43	2002046430	WO		Jun. 13, 2002	Applied Research Systems ARS, Holding N.V.		
	44	2002238559	JP		Aug. 27, 2002	Nagoya Industrial Science, Research Inst		
	45	2004003157	WO		Jan. 8, 2004	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College		
	46	2003261096	AU		Jan. 19, 2004	TransGenRx, Inc.		
	47	2004/067706	WO		Aug. 12, 2004	TransGenRx , Inc.		

/Sumesh Kaushal/ (09/22/2011)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
**(Not for submission under 37 CFR 1.99)**

Page 3 of 6

Application Number	10/583,812
Filing Date	June 22, 2006
First Named Inventor	Richard K. COOPER
Art Unit	1633
Examiner Name	Sumesh KAUSHAL
Attorney Docket Number	51687-331126

	48	2004067707	WO		Aug. 12, 2004	Transgenres, LLC et al.		
	49	2004092351	WO		Oct. 28, 2004	Avigenics, Inc.		
	50	2005/062881	WO		July 14, 2005	TransGenRx, Inc.		
	51	2005062881	WO		July 14, 2005	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College		
	52	2006093847	WO		Sep. 8, 2006	Avigenics, Inc.		
	53	1539785	EP		May 6, 2009	Transgenrx, Inc.		
	54	1592789	EP		May 20, 2009	TransGenRx, Inc.		
	55	2010036978	WO		April 1, 2010	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College		
	56	2010036979	WO		April 1, 2010	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College		
	57	2010118360	WO		Oct. 14, 2010	Cooper, Richard et al.		

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	58	"Gene Therapy a Suspect in Leukemia-Like Disease", Science, News of the Week, October 4, 2002, Vol. 298, 34-35.	
	59	10/609,019, "Notice of Allowance", 1/9/2009.	
	60	10/609,019, "Office Action", 5/4/2007.	
	61	10/609,019, "Office Action", 11/7/2006.	
	62	10/609,019, "Office Action", 6/26/2006.	
	63	10/609,019, "Office Action", 10/17/2007.	
	64	10/609,019, "Office Action", 2/12/2008.	
	65	10/609,019, "Office Action", 12/27/2005.	
	66	10/746,149, "Office Action", 2/3/2009.	
	67	10/746,149, "Office Action", 2/8/2008.	
	68	10/746,149, "Office Action", 10/18/2007.	
	69	10/746,149, "Office Action", 2/28/2007.	
	70	10/746,149, "Office Action", 8/20/2008.	
	71	10/746,149, "Office Action", 8/9/2006.	
	72	11/981,574, "Notice of Allowance", 8/10/2009.	
	73	11/981,574, "Office Action", 6/24/2009.	
	74	11/981,574, "Office Action", 1/7/2009.	

/Sumesh Kaushal/ (09/22/2011)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
**(Not for submission under 37 CFR 1.99)**

Page 4 of 6

Application Number	10/583,812
Filing Date	June 22, 2006
First Named Inventor	Richard K. COOPER
Art Unit	1633
Examiner Name	Sumesh KAUSHAL
Attorney Docket Number	51687-331126

75	11/981,629, "Office Action", 12/27/2010.	
76	11/981,629, "Office Action", 12/10/2009.	
77	11/981,629, "Office Action", 2/5/2009.	
78	ALEXEYEV et al., "Mini-Tn10 transposon derivatives for insertion mutagenesis and gene delivery into the chromosome of Gram-negative bacteria", Gene, Vol. 160, No. 1, 4 July 1995, 59-62.	
79	AU 2003261096, "Examiner's Second Report dated Jun 6, 2008".	
80	AU 2003261096, "Notice of Acceptance".	
81	CA 2,490,693, "Notice of Allowance" 3/24/11.	
82	CA 2,490,693, "Office Action" 10/5/2009.	
83	CA 2,490,693, "Office Action", 5/4/2010.	
84	CA 2,490,693, "Office Action", 12/30/2010.	
85	EP 037621729, "Communication Under Rule 71(3) EPC", 11/11/2008.	
86	EP 037621729, "Fifth Office Action", 02/26/2008.	
87	EP 037621729, "Fourth Office Action", 10/10/2007.	
88	EP 037621729, "Supplementary Search Report", 02/15/2006.	
89	EP 03800225.9, "Decision to Grant", 8/19/2008.	
90	EP 03800225.9, "First Office Action", 6/14/2007.	
91	EP 03800225.9, "Second Office Action", 11/7/2007.	
92	EP 03800225.9, "Supplemental Search Report", 5/26/2006.	
93	FISHER et al., "Induction of Terminal Differentiation in Cancer Cells as a Therapeutic Modality for Suppressing Tumor Growth: Studies Employing Human Melanoma", Anticancer Research, 1988, Vol. 8 (5B), 1057.	
94	GEYER et al., "Protecting against promiscuity: The regulatory role of insulators", Cellular and Molecular Life Sciences, XP002573586, 2002, Vol. 59, No. 12, pp. 2112-2127.	
95	HEILIG et al., "NCBI Accession No. V00437-Gallus Gallus Fragment of Ovalbumin Gene Coding for the First Leader Exon.", 1997.	
96	HEILIG et al., "The Ovalbumin Gene Family, The 5' End Region of the X and Y Genes", J. Mol. Bio., 1982, Vol. 156, No. 1, pp. 1-19.	
97	HERRERO et al., "Transposon Vectors Containing Non-Antibiotic Resistance Selection Markers for Cloning and Stable Chromosomal Insertion of Foreign Genes in Gram-Negative Bacteria", Journal of Bacteriology, Washington, DC, Vol. 172, No. 11, 1 November 1990, 6557-6567.	
98	HOUBRECHT et al., "The Methods to Generate Animals and to Control Transgene Expression", J. Biotech, 2006, 98:146-147.	
99	JELTSCH et al., "The Complete Nucleotide Sequence of the Chicken Ovotransferrin mRNA", Eur.J. Biochem, 1982, 122, 291-295.	
100	JP 2004-518011, "Final Decision of Rejection", 3/2/2010.	
101	JP 2004-518011, "First Office Action", 9/8/2009.	

/Sumesh Kaushal/ (09/22/2011)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
**(Not for submission under 37 CFR 1.99)**

Page 5 of 6

Application Number	10/583,812
Filing Date	June 22, 2006
First Named Inventor	Richard K. COOPER
Art Unit	1633
Examiner Name	Sumesh KAUSHAL
Attorney Docket Number	51687-331126

	102	JP 2004567449, "First Office Action", 12/1/2009.	
	103	LARGAESPADA, "Generating and manipulating transgenic animals using transposable elements", Reproductive Biology and Endocrinology XX, XX, XP021009352, 2003, vol. 1, no. 1, page 80.	
	104	LILLICO et al., "Transgenic Chickens as Bioreactors for Protein-Based Drugs", Drug Discovery Today, February 2005, Vol. 10, No. 3, pp. 191-196.	
	105	MAKSIMENKO, "Insulators of Higher Eukaryotes: Properties Mechanisms of Action, and Role in Transcriptional Regulation", Russian Journal of Genetics, XP002573587, 2006, Vol. 42 , No. 8, pp. 845-857.	
	106	MAKSIMENKO, "Insulators of higher Eukaryotes: properties, mechanisms of action, and role in transcriptional regulation", GENETIKA (2006-08),XP002573587, 2006, Vol. 42, No. 8, pp. 1029-1044.	
	107	MOZDZIAK et al., "Status of Transgenic Chicken Models for Developmental Biology", Developmental Dynamics, 2004, 229:414-421.	
	108	PCT/US03/041335, "International Search Report", 11/3/2004.	
	109	PCT/US03/41261, "International Search Report", 11/3/2004.	
	110	PCT/US04/43092, "International Search Report and Written Opinion", 5/11/06.	
	111	PCT/US2003/020389, "International Search Report", 04/02/2004.	
	112	PCT/US2009/058494, PCT International Search Report, mailed 4/14/2010.	
	113	PCT/US2009/058497, PCT International Search Report, mailed 4/14/2010.	
	114	PCT/US2009/058498, International Search Report and Written Opinion mailed 10/6/2010.	
	115	PIEPER, et al., "Restoration of Vascular Endothelial Function in Diabetes", Diabetes Res. Clin. Pract. Suppl., 1996, S157-S162.	
	116	SANG et al., "Prospects for Transgenesis in the Chick", Mech. Dev., 2004, 121(9): 1179-86.	
	117	TELMER et al., "Epitope Tagging Genomic DNA Using a CD-Tagging Tn10 Minitransposon", Bio Techniques 2002, Vol. 32, No. 2; 422-430.	

**EXAMINER SIGNATURE**

Examiner Signature	/Sumesh Kaushal/ (09/22/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.